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32. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence that specifically hybridizes under high stringency conditions to a sequence selected from the group consisting of SEQ ID NOS: 52, 88 and 90, and complementary sequences thereof.
33. (New) An isolated nucleic acid molecule consisting of about 15 to 50 consecutive nucleotides from a nucleotide sequence selected from the group consisting of SEQ ID NOS: 52, 88 and 90, or the complement thereof.
34. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence of about 20 to 50 nucleic acids that specifically hybridizes under high stringency conditions to a sequence selected from the group consisting of SEQ ID NOS: 52, 88 and 90, or a complementary sequence thereof. - - -

Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (page i).

#### REMARKS

Applicants have amended Claims 1-4 and 8 and added new Claims 31-34 as discussed in the telephonic interview between Examiner Einsmann and Ms. Hogle on May 8, 2003. Applicants' Attorney would like to thank the Examiner for her helpful comments and working with the Applicants' Attorney to obtain allowable subject matter. As suggested, Applicants have separated out priority-specific sequences in the claims and have addressed concerns regarding the description of specific hybridization conditions discussed with the Examiner. Applicants further direct the Examiner's attention to the Specification for an enabling description of stringency conditions, particular, for example, page 54, line 21 through page 56, line 19. No new matter has been added and entry of these amendments is respectfully requested.

#### CONCLUSION

In view of the above amendments and remarks, it is believed that all claims are in condition for allowance, and it is respectfully requested that the application be passed to issue. If

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the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned at (978) 341-0036.

Respectfully submitted,

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Dated: May 14, 2003

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MARKED UP VERSION OF AMENDMENTS

Claim Amendments Under 37 C.F.R. § 1.121(c)(1)(ii)

1. (Twice Amended) An isolated nucleic acid molecule selected from the group consisting of SEQ ID NOS: 48-51[48-56], 53-56 and 89[88-90], or the complement thereof.
2. (Twice Amended) An isolated nucleic acid molecule comprising a polynucleotide sequence that specifically hybridizes under high stringency conditions to a sequence selected from the group consisting of SEQ ID NOS: 48-51[48-56], 53-56 and 89[88-90] and complementary sequences thereof.
4. (Twice Amended) An isolated nucleic acid molecule consisting of about 15 to 50 consecutive nucleotides from a nucleotide sequence selected from the group consisting of SEQ ID NOS: 48-51, 53-56 and 89, or the complement thereof [according to Claim 1].
8. (Twice Amended) An isolated nucleic acid molecule comprising a polynucleotide sequence of about 20 to 50 nucleic acids that specifically hybridizes under high stringency conditions to a sequence selected from the group consisting of SEQ ID NOS: 48-51, 53-56 and 89 [according to Claim 1], or a complementary sequence thereof.